PETROVA, A. F.

"Q Fever in Gur'yevskaya Oblast," by A. F. Petrova, chief therapeutist of the Gur'yevskaya Oblast Health Department, Zdravookhraneniye Kazakhstana, Vol 16, No 11, 1956, pp 27-

This article reports cases of an acute febrile disease of unknown eticlogy which occurred in Gur'yevskaya Oblast, Kazakh SSR, from April to November 1954 and which was serologically diagnosed as Q fever in 1955. Blood from patients who had suffered from the disease was examined in the laboratory of the Clinic of Infectious Diseases (director of the Chair of Kazakh Medical Sciences, Prof Ye. N. Bartoshevich) in Alma-Ata. The article gives results of serological investigations. It notes that serum of two patients reacted positively with antigens of both Q fever and typhus. The article describes clinical phenomena observed, and describes in detail one history of a very severe case. This case was treated symptomatically and it is noted that antibiotics, particularly levomycetin, produce good results.

The author concludes that the epidemiology of Q fever in Gur'yev has not been studied and that a possible epidemic focus of the disease may exist in this oblast.

9 (4 1)

- 1. PETROVA, A. F.
- 2. US R (600)
- 4. Poultry Breeding.
- 7. Effect of the hatching dates of chicks on the productivity of breeding mens. Ptitsevodstvo no. 5, 1952.

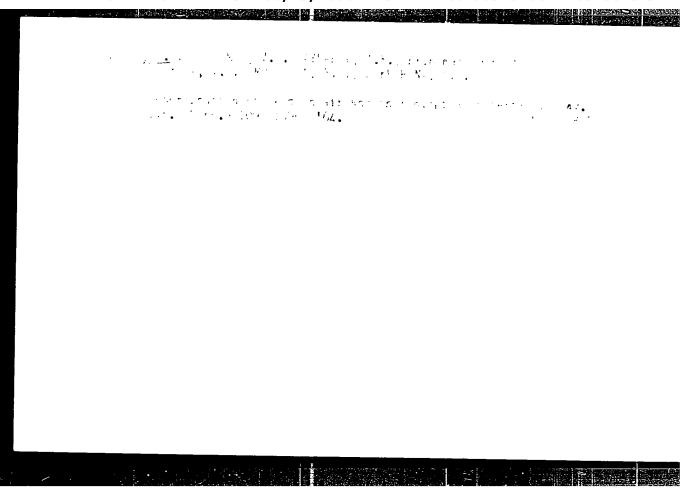
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

- 1. PETROVA, A. F.
- 2. USSR 600
- 4. Poultry Breeding
- 7. Early hatching of chickens as a method of improving their productivity and breeding qualities, Trudy NIIP, 22, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

30998. PETROVA, A. FE.

O diagnoticheski kh oshib kakh pri pishchevykh toksikoinfektliyakh. V s : Voprosy ostroy vnutrenney kliniki. M., 1949, s. 189-214



PETROVA, A.G.

Some clinical and pathophysiological characteristics of the simple form of schizophrenia. Zhur. nevr. i psikh. 64 no.1: 80-84 '64. (MIRA 17:5)

1. Kafedra psikhiatrii (zaveduyushchiy - prof. N.P. Tatarenko) Khar'kovskogo meditsinskogo instituta.

s/048/62/026/007/015/030 B104/B138

retrova, A. G., and Aydarov, T. K.

Influence of the form of impurity combination on spectral line intensity for high-purity sulfur, selenium, ani tellurium

EMISSIONE: Akademiya nauk USSR. Izvestiya. Seriya fizicheckaya, v. 30, no. 7, 1962, 899-902

The suthors aimed to improve determination of impurities is 0, 0, 2010 Te. Standard samples were prepared, containing 10-5 - 10-2% Ag, 20, 21, 21, 21, 21, 21, and 35 as oxides, sulfides, selenides, and tellurides. They were investigated in a-c and d-c arcs with an MCT-28 (13:-26) clotted math. Amounts of 40 to 100 mg were introduced into carbon electrodes and analyzed using lines Ag 3280.68, Su 3247.54, Al 3092.71,

MI 30,0.52, Pb 2833.07, Bi 3067.72, and Sb 2528.53 Å. Calibration curves for the impurities show that the form of combination does affect accuracy. Sulfides are recommended in S, sulfides and selenides in De, and tellurides in Te. Table 1 shows the effect of addition of salts to Dard 1/1

Influence of the form of impurity ...

uyin48,62 in26,717 orb orb B104/P135

J. The line intensity of inpurities in Te is only increased by mixing the sample with coal dust in the ratio 5:1. The increased intensity of the impurity lines is a parently due to variations in the temperature of the arc and in the concentration of impurities in the discharge cloud. Hear the outhode, impurities in 3 snow the greatest, and those in Te the least, increase in line intensity. Lead and bismuth intensities increase muitablet, but those of silver, nickel, copper, and tin very little. Results are very similar for a-c and d-c arcs. Near-the outhode 2.5-5% MaCl addition considerably increases the line intensities of impurities in 5 and 5e. There are 3 figures and 2 tables.

Thate 1. Effect of the addition of various salts on the line intensities of lapurities in the sulfur spectrum. Legend: Salts from top to bottom. NH, D1, NaCl, NGC, USCI without addition; (1) blackening of analytical likes as referred to the background.

Jara 2/1 🚣

PETROVA, A.G.; AYDAROV, T.K.

Effect of the compound form of admixtures in high-purity sulfur, selenium and tellurium on the spectral line intensity. Izv. AN SSSR. Ser. fiz. 26 no.7:899-902 Jl '62. (MIRA 15:8) (Sulfur—Spectra) (Selenium—Spectra)

A STATE OF THE PROPERTY OF THE

GRISHINA, L.I.; MOROZOV, V.A.; PETROVA, A.G.; NILASHEVICH, M.K.

Tick-borne relapsing fever in Krasnodar region. Med. paraz. i paraz. bol. 27 no.4:402-405 Jl-Ag '58. (MIRA 12:2)

BONCH, E.I., nauchnyy sotrudnik; PETROVA, A.I., nauchnyy sotrudnik

Aerosols in controlling rice diseases. Zashch. rast. ot vred. i col. 8 no.8:26-27 Ag '63. (MIRA 16:10)

1. Vsesoyuznyy institut zashchity rasteniy.

end to produce		約
AUTHORS: TITLE: PERIODICAL: ABSTRACT:	Il'in, D. I., Petrova, A. I., Chepkasova, N. Ya. 30V/69-7-1-12/20 On the Problem of the Migration of Radioactive Bodies From an Open Water Container (K voprosu o migratsii radioaktivnykh veshchestv iz otkrytogo vodoyema) Atomnaya energiya, 1958, Vol. 5, Nr 1, pp. 75-77 (USSR) Atomnaya energiya, 1958, Vol. 5, Nr 1, pp. 75-77 (USSR) For the determination of the economic advantages offered by the possibility of removing radioactive refuse at low cost an possibility of removing radioactive refuse at low water surface of 6 km artificial pond of 3 km length and a total water surface of 6 km artificial pond of 3 km length and a total water surface of the exterior. Radioactive refuse of the following radiochemical the exterior. Radioactive refuse of the following radiochemical composition was emptied into this water on October 15, 1974: Sro9+Sr90+20 64% Sr09+Ru106 64% Cr95+No35 10% Cr137 10% Cr138 Cr295+No35 10% Cr138 Cr295-No35 10% Cr295-No35 Cr295-No35 10% Cr295-No35 Cr295-No35 10% Cr295-No35 Cr295	
$_{ t Card}$ $1/2$	In the course radioactive for an and of 1957, radioactive for an	,

On the Problem of the Migration of Radioactive Bodies From an Open Water Container

SOV/59-5-1-1-/.:

pond, the total β -activity of which amounted to t0-100 mc/. Control of the motion performed by the radioactive bodies when moving from the container of water into the ground water was carried out by measuring the β -radioactivity of the water in the 12 artificial bore holes. Results obtained showed that stronting cesium, and the rare earths are well absorbed by the ground on which the container is located and that therefore this method can be employed without difficulty. Therefore the place on which the container is placed must be selected in such a manner that the migrating Ru¹⁰⁰ reaches sources of drinking water only after the elapse of the tenfold half life of Ru¹⁰⁰. There are 2 figures, 2 tables, and 5 references.

SUBMITTED:

January 6, 1950

1. Radioactive waste--Disposal

Card 2/2

sov/89-5-2-1/36 Il'in, D. I., Moskalev, Yu. I., AUTHORS:

Petrova, A. I.

On the Accumulation of Radioactive Elements in Some Groups of TITLE:

Water Organisms (O nakoplenii radioaktivnykh elementov

nekotorymi gruppami vodnykh organizmov)

Atommaya energiya, 1958, Vol. 5, Nr 2, pp. 171-174 (USSR) PERIODICAL:

β-activities were filled into a natural container of water (e.g. ABSTRACT:

a lake) of 1,8 m depth, so that the water always had an average activity of from 2 to 4 . 10 C/l. The average radio-chemical com-

position of the water was:

 $Ru^{103} + Ru^{106}$ Na²⁴ 6% Zr⁹⁵ + Nb⁹⁵ 8% Cs^{137} 16% Sum of fission products of $sr^{89} + sr^{90}$ 48%

rare earths P32 5% A number of fishes, plankton, etc. lived in this water. After

having lived in radioactive water for one year the organs of the

following 5 different kinds of fish were investigated:

36 roaches, 15 perches, 4 pikes, and several types of carp etc. Card 1/2

On the Accumulation of Radioactive Elements in Some Groups of Water Organisms

SOV/89-5-2-11/36

Furthermore, the activities in the plankton and benthos were investigated. It was found that the plankton, benthos, and the fishes selectively concentrate P^{32} , S^{29} , S^{29} , S^{29} , S^{29} , and N^{24} from the water. The concentration of P^{32} in fishes, in the plankton and in the benthos exceeds the original concentration in water by 3-4 orders of magnitude. In S^{29} , S^{29} and C^{29} and increase of up to 2-3 orders of magnitude was measured. From 44 to 59% of the main bulk of β -activities in the organs of fish were found in the muscular tissues, and 16 to 24% in the skeleton. - The concentrations of β -activities in the skeletor in the gills, fins, and scales is from 3 to 5 times as high as in the soft parts of the body. There are 4 tables and 6 references, 6 of which are Soviet.

SUBMITTED:

May 10, 1958

Card 2/2

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KULIKOV, A.I.; KURLINA, I.P.; POLYAKOV, I.M.; SHIPINOV, N.A.;
GARNOVSKATA, G.N. [deceased]; FEOFILOV, Ye.Ye.; KOROLEVSKAYA, V.F.;

Effect of the composition of shale phenols on the process of nitration and pesticidal properties of nitro products. Khim.
i tekh. gor. slan. i prod. ikh perer. no.8:167-174 '60.

(Phenols)
(Pesticides)
(Nitration)
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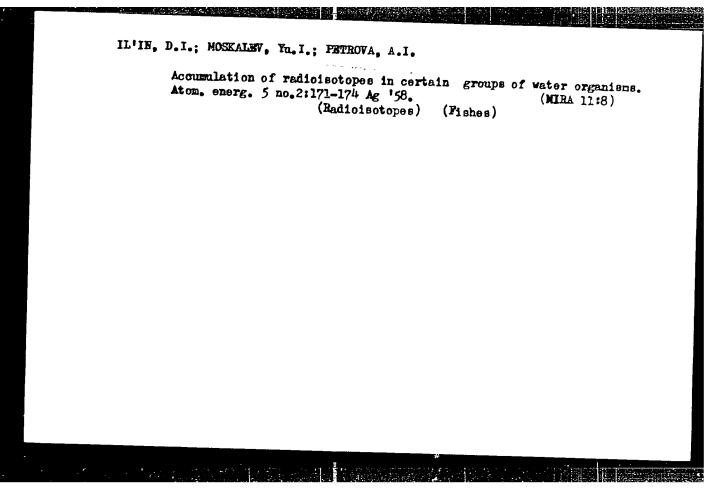
NESHCHADIN, A.G., inzh.; KURDYUMOV, V.N., inzh.; Prinimali uchastiye:
YEDEMSKIY, P.M.; FADEYEVA, K.M.; SOKOLOV, A.I.; PETROVA, A.I.;
MIKHAYLOVA, N.M.; SERGEYEVA, Z.P.

Influence of temperature on the extraction of prepressed sunflower cakes in the DS-70 extractor. Masl.-zhir. prom. 27 no.6:35-38

[MIRA 14:6]

1. Voronezhskiy tekhnologicheskiy institut, Leningradskoye otdeleniye (for Neshchadim). 2. Leningradskiy maslozhirovoy kombinat (for Kurdyumov, Yedemskiy, Fadeyeva, Sokolov, Petrova, Mikhaylova, Sergeyeva).

(Sunflower oil)

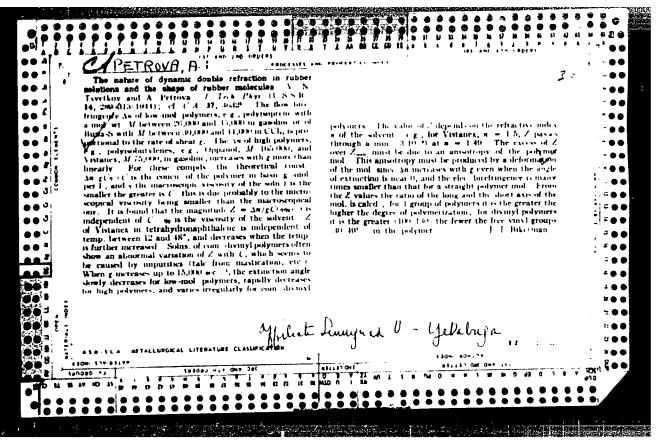


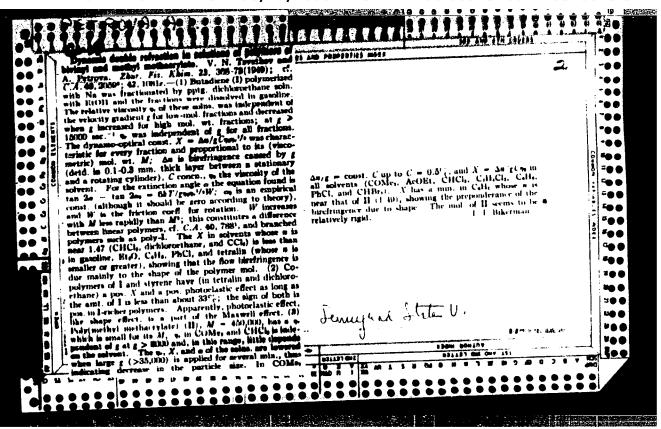
SERGEYEV, I.S., kandidat meditsinskikh mauk; PETROVA, A.I., klinicheskiy ordinator

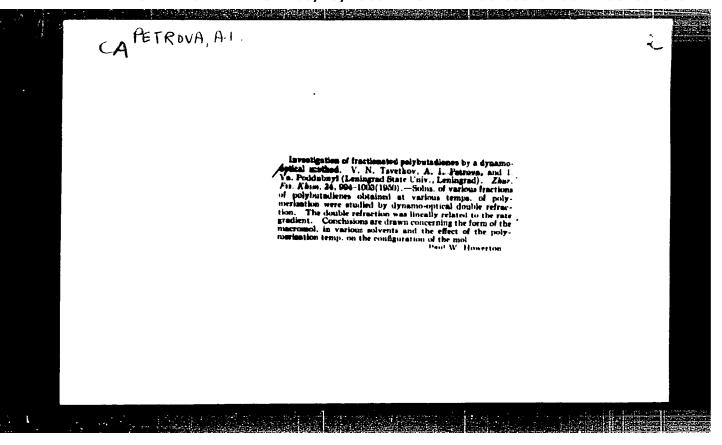
Results of combined antibacterial therapy of pulmonary tuberculosis.

Probl.tub. 34 no.6 supplement: 9-10 N-D '56. (NLPA 10:2)

PETROVA, A.I. Methods of maintaining the vitality of perennial rye. Zemledelie 4 no.8:116-117 Ag '56. (Rye)







NUDOL'SKAYA, O.Ye.; SHAKHOLISTER, S.Ya.; PETHOVA, A.K.; ABRAMOVA, M.M.

Immediate and remote results of radiotherapy of uterine cancer. akush.
gin. no. 1:71-76 Sept. Oct 1953. (CIML 25:4)

1. Professor for Nudol'skaya. 2. Of the Institute of Obstetrics and
Gynecology (Director -- L. G. Stepanov), Ministry of Public Health USSE.

PETROVA, AN M.

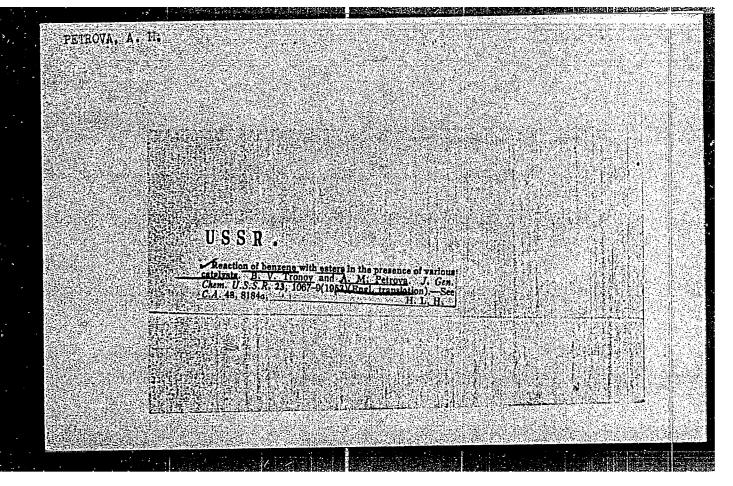
Reaction of benzene with esters in the presence of various calivats. B. V. Tropoy and A. M. Petroya (S. M. Kirov Polytech, Inst., Tomsk). Zhur. Obischel Khim. 23, 1019–22 (1953); cf. C.A. 25, 3973.—The reaction of 2 moles Cell, with various esters in the presence of catalysts can be summarized as follows (the mixts. were heated 6 hrs. on a water bath; a few vigorous reactions required initial cooling): 0.5 mole BtoNO₁ and 0.25 mole AlCl, gave 81% PhNO₂, oliso formed in low yield with 0.25 mole ZnCl₃; 0.5 mole EtONO₂ and 0.25 mole SbCl, gave 49.2% PhNO₃; 0.220 mole EtONO₃, while 0.25 mole SbCl, gave 49.2% PhNO₃; 0.220 mole EtONO₃, and 0.144 mole SbCl, gave 83.0% PhNO₄; 0.5 mole EtONO₃, and 0.25 mole AlCl, gave 83.0% PhNO₄; 0.5 mole EtONO₃, and 0.25 mole AlCl, gave 83.0% PhNO₄; 0.5 mole EtChl.; on reaction took place with Et₃SO₄ and FeCl₃, ZnCl₄, SnCl₄, SbCl₄, or BiCl₄ catalysts; 0.25 mole Et₄PO₄ and 0.25 mole AlCl, gave 23% BtPh; 0.5 mole (BuO)₄B and 0.125 mole AlCl, gave some organo-B compd.; Si(OMe)₃, and SnCl₄ did not react, but 0.125 mole BtOAc did not react with AlCl₄ or SbCl₅; ZnCl₄ was unreactive with AcOBu and AlCl₄ was unreactive with AcOBu and AlCl₄ was unreactive with AcOBu and AlCl₄ was unreactive, however, an equimolar and 0.125 mole AlCl₄ gave 30.7% Ph₂CH₄, while SbCl₄ gave 30%; BiCl₂ gave 14%; no reaction took place with AcOCH₄Ph and AlL₄, or with AcOPh and AlCl₄ or SbCl₅; J₁₆ mole triacci₁ and 0.2 mole AlCl₄ gave 58% AcPh, while 20% was obtained with 0.2 mole SbCl₁; 0.125 mole ClCH₄CO₂Et and 0.125 mole AlCl₅ gave 56.6% Ph₂CH₄ while SbCl₅; J₁₆ mole triacci₁ and 0.2 mole AlCl₅ gave 54.2% EtPh; 0.5 mole ClCH₄CO₂Et and 0.125 mole AlCl₅ gave 54.2% EtPh; 0.5 mole ClCH₄CO₂Et and 0.125 mole AlCl₅ gave 54.2% EtPh; 0.5 mole ClCH₄CO₂Et and 0.125 mole AlCl₅ gave 54.2% EtPh; 0.5 mole ClCH₄CO₂Et and 0.125 mole AlCl₅ gave 54.2% EtPh; 0.5 mole ClCH₄CO₂Et and 0.125 mole AlCl₅ gav

- shin Org. Chees.

cach of Mc₂CBrCO₂Et and AlCl₄ gave 19.2% EtPh, while 8% yield was obtained from 0.25 mole NCCH₂CO₂Et and 0.125 mole AlCl₄; no reaction took place with CO(OMe), and AlCl₄, but 0.125 mole (CO₂Et)₂ and 0.125 mole CO₂Et)₃ and 0.125 mole CBrPh was formed from 0.125 mole CH₃(CO₂Et)₄, and 0.125 mole AlCl₄; 0.125 mole Ph-SO₃Mc and 0.25 mole AlCl₄ gave 32% MePh; no reaction took place with Et₂O and AlCl₄ gave 32% MePh; no reaction took place with Et₂O and AlCl₄ gave 32% MePh; no reaction took place with Et₂O and AlCl₄ gave 32% MePh; no reaction took place with Et₂O and AlCl₄ gave 32% MePh; no reaction took place with Et₂O and AlCl₄ gave form to not all Cl₄, while 70.9% was obtained with SnCl₄ and 40.5% with SbCl₄. Generally, esters which are expected to form complexes at the ester O gave alkylbenzenes. Reters of boric acid can react in 2 ways, since the complex with the catalyst can donate an alkyl or add the B atom to the Ph ring. If EtONO₂ is added to C₄H₅, addn. of SbCl₄ leads only to nitration.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240520013-3



PETROVA, A. M.

"Comparing the Activity of Various Catalysts in the Gustavson-Friedle-Crafts Reaction." Cand Chem Sci, Tomsk Polytechnic Inst, Tomsk, 1954. (RZhKhim, No 21, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

PETROYA, A. M.

USSR/Chemistry - Reaction processes

Pub. 151 - 18/37 Card 1/1

Petrova, A. M. Authors

Utilization of antimony pentachloride in the Gustavson-Friedel-Crafts Title

reaction

Zhur. ob. khim. 24/3, 491-493, Mar 1954 Periodical:

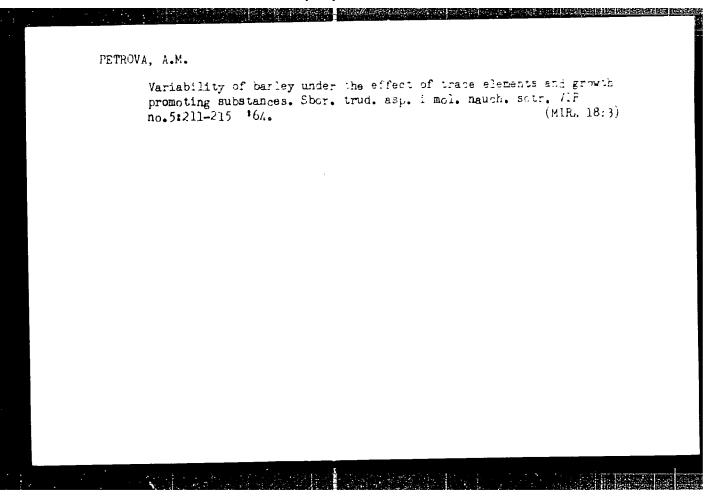
The catalytic effect of SbCl5 during reactions of benzene with some hydro-Abstract :

carbon halides, halides of carboxylic acid and ethylnitrate, was compared with the effect of the classical AlCl3 and SnCl, catalysts. During the reaction with hydrocarbon halides the SbCl5 catalyst was found much less reaction with hydrocarbon halides the SbCl5 catalyst was found much less effective than the AlCl3 catalyst. SbCl5 was found perfectly satisfactory in reactions with acid halides and ethylnitrate; the formation of a labile SbCls-ethylnitrate compound was observed in the latter case. It was established that this compound, which is an intermediate reaction product, is also capable of accelerating the reaction between the benzene and a new batch of ethylnitrate. Three references: 2-USSR and 1-German (1901-1953).

Table.

The S. M. Kirov. Order of the Red Banner Polytechnicum, Tomsk Institution :

September 25, 1953 Submitted



PETROVA, A.N.

[Booklet on safety engineering and industrial hygiene for shaper-finishers of ceramic, porcelain and faience articles] Pamiatka po tekhmike bezopasnosti i promyshlennoi sanitarii dlia formovshchika farforovykh, faiansovykh i keramicheskikh izdelii. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 8 p. (MIRA 15:3) (Industrial safety) (Industrial hygiene) (Ceramics)

Anatomical changes in solanaceous plants produced by "absorbing" vegetative hybridization. Izv.zap.KHGU 46:97-107 '53. (MIRA 11:11)

1. Kafedra fiziologii rasteniy i mikrobiologii Khar'kovskogo gosudarstvennogo universiteta. (Grafting) (Nightshade) (Botany--Anatomy)

PETROVA, A.N., inch.

Creative activity of textile workers in Ivanovo Province, Izobr. 7 5553
2 no.2:34-35 P 57. (MIRA 12:3)

(Ivanovo Province--Textile industry)

PETROVA, A.M.; BEZEMOV, S.V.

Inventors and efficiency promoters at Ivanovo textile mills. Tekst.
prom. 18 no.5:62-65 My '59. (MIRA 11:5)

(Ivanovo Province--Textile industry)

Bugorkova, A.A.; Petrova, A.N.; Novikova, Ye.N.

Detection of chlorine traces in benzyl and phenylethyl alcohols. Trudy VNIISNDV no.4:154-156 '58. (MINA 12:5) (Chlorine-Analysis) (Alcohols)

BULGARIA / Chemical Technology. Chemical Products and Harman Their Applications. Food Industry.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13558.

Author: Banov, P.; Petrova, An.; Georgiyev, G.

Inst : Not given.
Title : Low Mathylated Pectins.

Orig Pub: Khimiya i industriya (Bolg.), 1958, 30, No 2, 51-53.

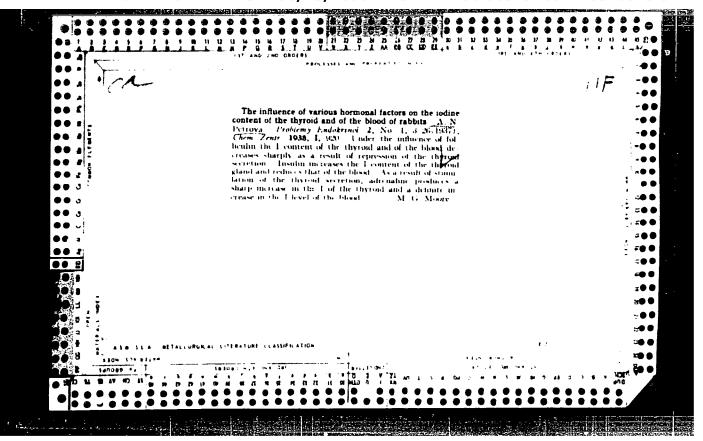
Abstract: Characteristics of low methylated pectins (LMP) are given. The most typical L.P have a 15-30% degree of esterification and a 2.5-4.5% content of methoxyl groups. A description of LMP is cited which is prepared by means of acid, alkaline and fermentative hydrolysis. A process of gelatinous LMP occurs in the presence of polyvalent cations (Casalts) with a low concentration of sugar, or without sugar, and with a wide pli interval. The basic

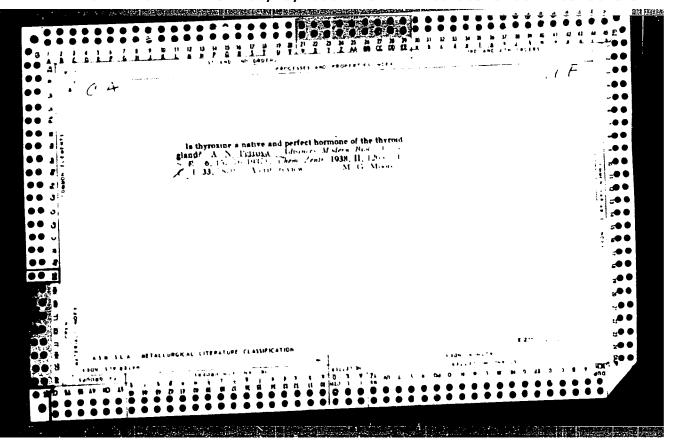
Card 1/2

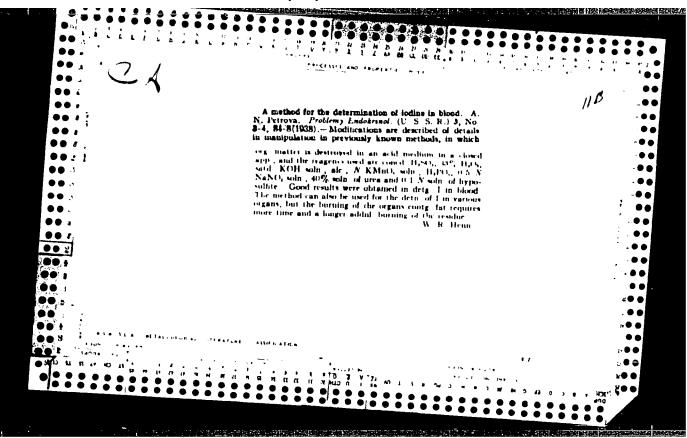
PETROVA, A.N.; FILIPPOVA, R.D.

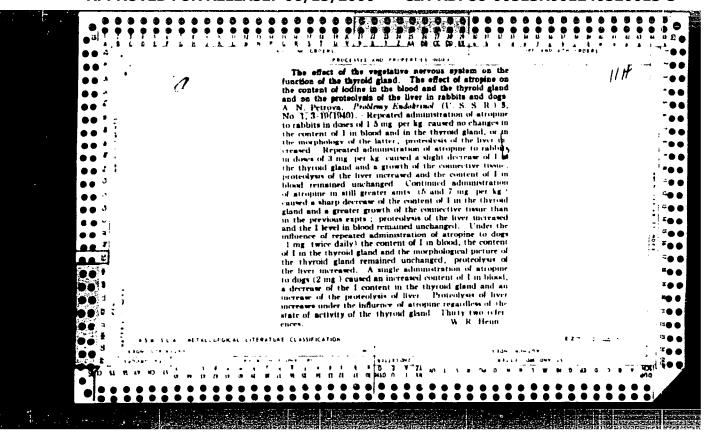
Characteristics of amylose isomerase and ribonucleic acid contained in it. Biokhimiia 30 no.2:438-442 Mr-Ap '65. (MIRA 18:7)

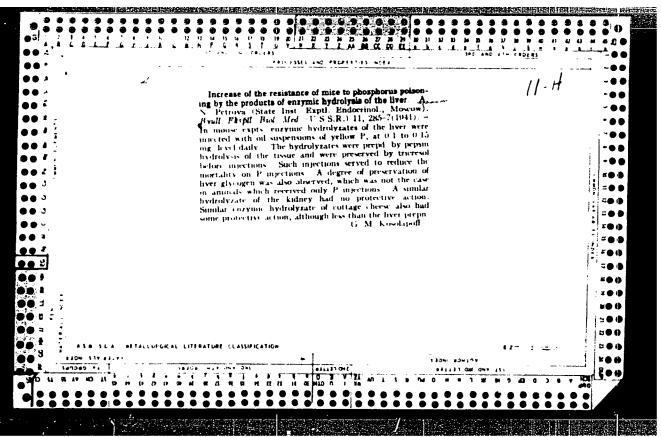
1. Institut biokhimii imeni Bakha AN SSSR, Moskva.







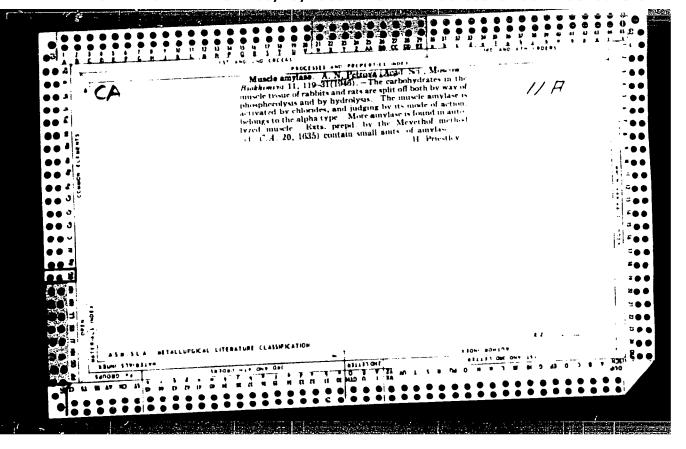


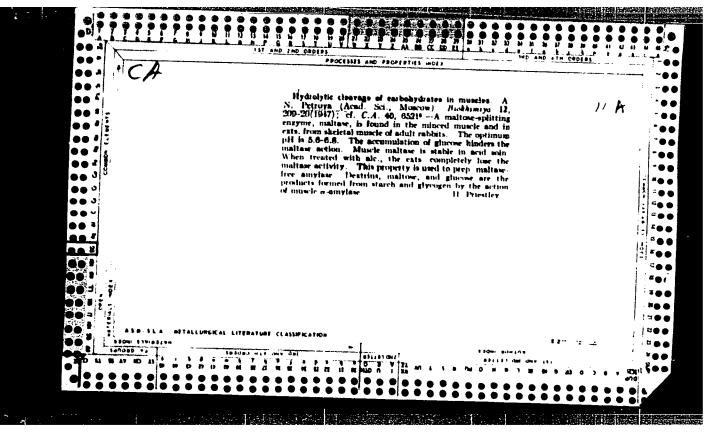


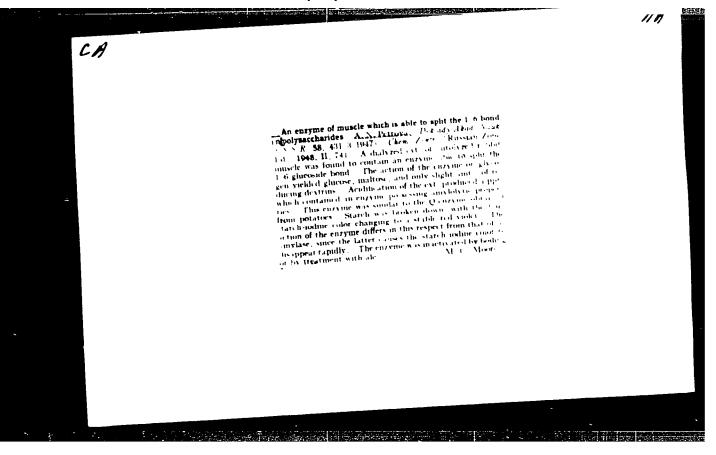
PETROVA, A.N.

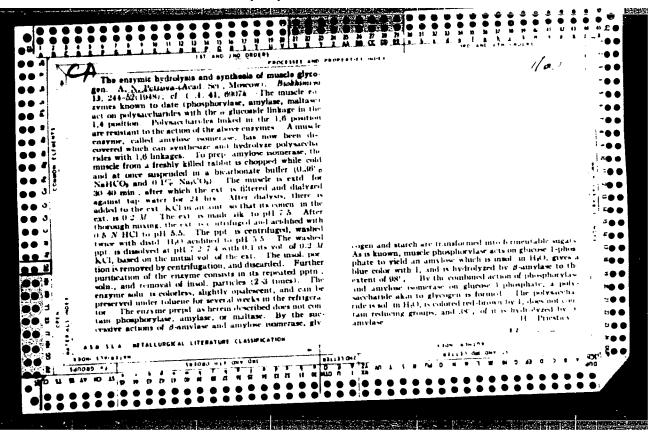
"Anti-thyreoidic Substances" (p.65) by A.N. Petrova (Moscow)

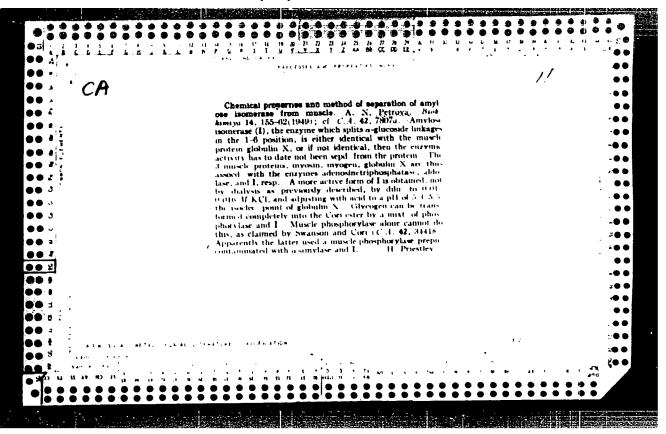
50: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XV, 1942, No. 1

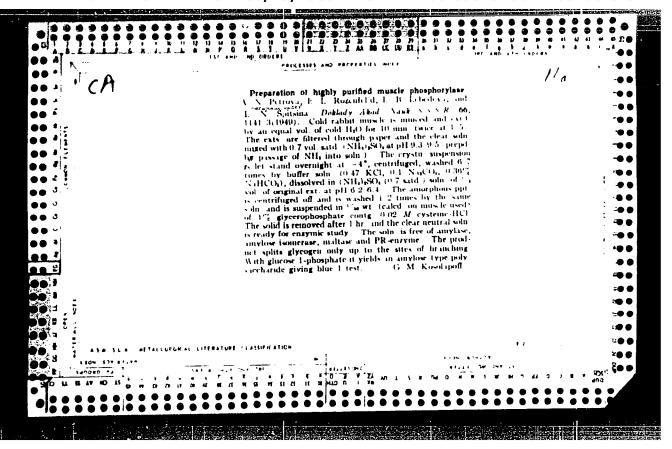












PETROVA, A. N.

Dor Biolog Sci

Dissertation: "Studying the Process of Enzymatic Recomposition and Synthesis of Glycogen in Muscles." 28/12/50

Inst of Biochemistry imeni A. N. Bakh, Acad Sci USSR

SO Vecheryaya Moskva Sum 71

1.-

CA

The amylolysis and phosphorolysis of muscle glycogen A. N. Petrova and M. B. Lebedeva (Acad Sci. Moscow). Biokhimsyo 15, 277-82(1950); cf. C.A. 42, 7807a, 43, 7986s.—The decompto of carbohydrates in muscle proceeds not only by way of phosphorolysis, but also by hydrolysis Both amylase and phosphorolysis are found in muscle prepared in the cold, or by autolysis for 1.2 days at room temp. As is known, glycogen phosphorolysis proceeds in the presence of phosphates and of adenylic acid; amylololysis, in the presence of chlorides. Phosphorolysis in silro in unaffected by the presence of chlorides, and amyly yais by the presence of phosphates and alenylic acid. Glycogen is decompd. in silro much more rapidly by the combined action of phosphorylase and amylase than by the sep action of these enzymes.

(BA-AIII la is:33)
Lab. Phys. Chuu, AS USSR, + Ind. Biol. + Mes. Chu, AMS USUR

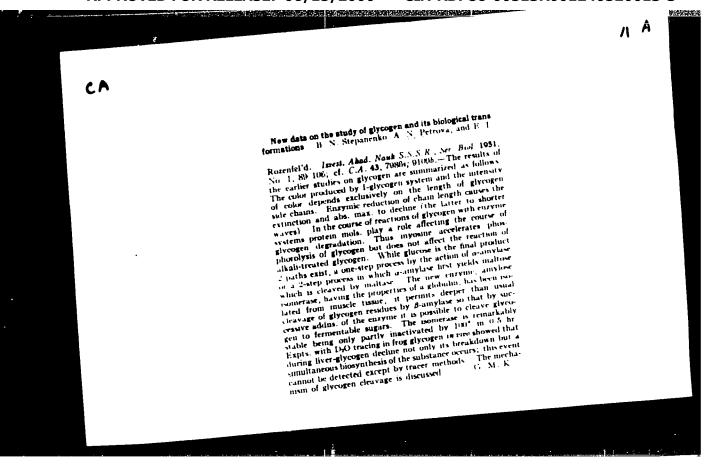
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C. A.

Action of highly purified muscle phosphorylasio. A. N., Petiguya and R. L. Rozenfel d (Lab. Physiol. Chem., Acad Sci., Moscow). Biokhimiya 15, 400 15, 1000. Chem., Acad Sci., Moscow). Biokhimiya 15, 400 15, 1000. Chem., Acad Sci., Moscow). Biokhimiya 15, 400 15, 1000. Chem., Ch. A. Sci., Phys. Lett. 10, 1000. Chem., Chem. Chem., Chem. Chem., Chem. Chem., Chem. Chem., Che

(NH₄)SO₄ soln, of or sain, at a pH of 6.2.6.4 (with NH₄OH). The enzyme, along with some protein impurities, then pptd. The ppt was sepd by centrifugation and treated with a soln of 1°, glycerophosphate mixed with 0.2 M cysteine-HCl. The vol. was 2° of the initial mixele M cysteine-HCl. The vol. was 2° of the initial mixele area of the completely colorless clear ext. of motral reaction, was used for the enzyme texts. The carbohy feater synthesized by this phosphorylase in ratio had the properties of an amylose. It gave a blue-green coloration with I, and was completely hydrolyzed by \(\theta-amylase. When a mixt. of phosphorylase and amylose isomerase was employed, a polysaccharide of the glycogen type was obtained, which gave a yellow-brown coloration with I, and 40° of it was decompal by \(\theta-amylase. The purified mixele phosphorylase hydrolyzed glycogen to the destrin stage and no further. Fapts, with the highly purified phosphorylase confirmed the increased rate of phosphorolysis but not synthesis) of glycogen in the presence of myosin (C.4.45).

Internal A.M. And Polymorphisms of the Color of the Color



PETROVA, Antonina Nikolayevna; TABUNINA, M.A., red.; TARKHOVA, K.Ye., tekhn. red.

[Safety manual for pressors of ceramic and pottery-porcelain products] Pamiatka po tekhnike bezopasnosti dlia pressovshchika keramicheskikh i farforo-faiansovykh izdelii. Moskva, Gosstroiizdat, 1963. 17 p. (MIRA 17:2)

PETROVA, A. N.

USSR/Biology (Agriculture) - Starch From Potatoes

Sep/Oct 51

THE RESERVE OF THE PROPERTY OF

"Starch and Its Formation in Potatoes," B. N. Stepamenko, Ye. L. Rosenfel'd, A. N. Petrova, A. V. Kotel'nikova, Moscow

"Uspekh Sovrem Biol" Vol XXXII, No 5 pp 1°3-231

Potatoes are a very important crop in the USSR; 7.7 million hectares were planted under potatoes before World War II and the acreage was 5% higher in 1950. Yield from 1 hectare corresponds to 1,600 liters of alc, which may serve as raw material for synthetic rubber. While yields were raised by 21% during the past 10 yrs, the starch content is often inadequate. A number of interesting investigations on starch formation in potatoes was carried out at the Inst of Biochem imeni Bakh, Acad Sci USSR. This work and other data will help in raising the starch content. Reviews in detail the present status of the problem of phytochem starch formation.

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Cotactor that hastens the glycogen breakdown in the muscle. A. N. Petrova. Doklady Akad. Nauk 5.55 R. 78, 551-2619517—Ensymic cleavage of glycogen is affected by a coensyme-like factor. If an undialyzed muscle ext. is used, the rate curve shows a rapid rise of reducing substances, followed by a sharp break; a dialyzed ext. gives a molerately steep curve with a very small break. This is caused by the above factor present in undialyzed exts. The factor freed of enzymes (procedure not specified) clearly endows the dialyzed ext. with phosphorolytic activity, especially well shown in expits with d-destrin which is greatly accelerated by this colactor, in comparison with action of phosphorylass alone, or with anvilose isomerasse. Since glycogen cleavage in alloxan diabetes is returded, it is possible that weakening of the colactor activity is responsible.

G. M. Kosolapoff

Lab. Physial. Chaus., As USSR

PETROVA, A.N.; ROZENFEL'D, Ye.L.

Phosphorylase in muscles and its properties, Izv. Akad. nauk SSSA. Ser. biol. no.4:133-138 July-Aug 1952. (CLML 23:2)

1. Laboratory of Physiological Chemistry, Academy of Sciences USSR.

PETROVA, A.H.

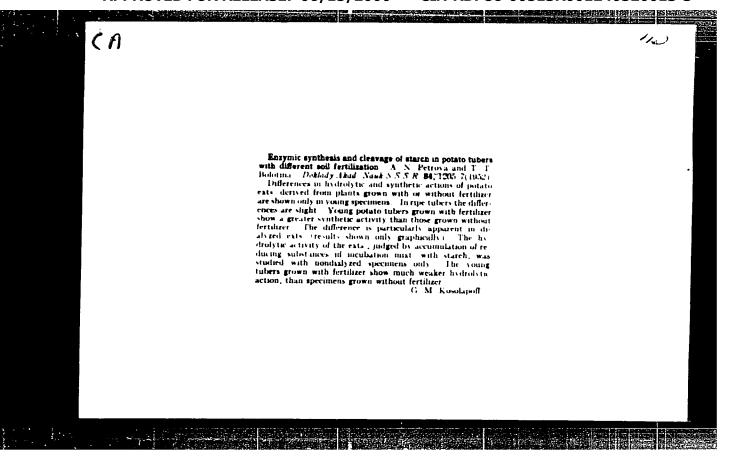
Certain properties of isomerase of amylose. Biokhimiia, Moskva 17 no.2:129-133 Mar-Apr 1952. (CIML 24:5)

1. Inhoratory of Physiological Chemistry of the Academy of Sciences USSR, Moscow.

PETROVA, A.N.

RT-129 (Study of the processes of enzymatic glycogen decomposition in muscles of rabbits with alloxan diabetes). Izuchenie protsessov enzimaticheskogo raspada glikogena v myshtsakh pri alloksanovom diabete u krolikov.

Biokhimiia, 17: 469-475, July-August, 1952.



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PETROVA, A.N.

Mechanism of action of the co-factor accelerating decomposition of glycogen in muecles, Doklady Akad, nauk SSSR 86 no. 1:133-136 1 Sept 1952. (CIML 23:3)

1. Presented by Academician A. I. Oparin 24 June 1952. 2. Laboratory of Physiological Chemistry, Academy of Sciences USSR.

PETROVA, A.N.; BOLOTINA, T.T.; KOBZEVA, A.A.

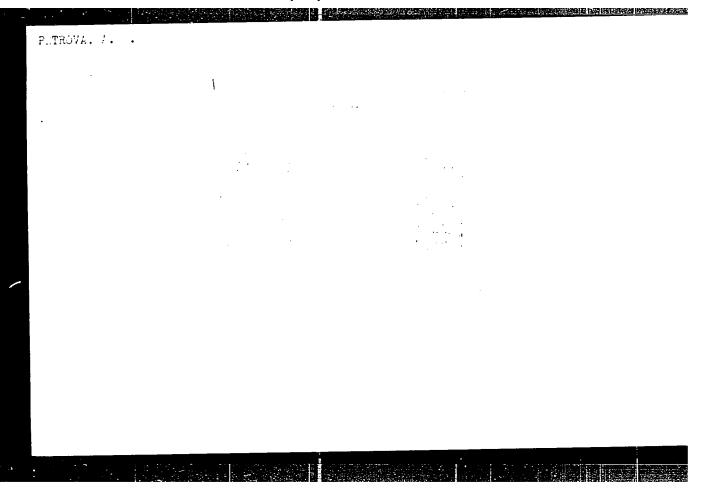
Investigation of the processes of synthesis and hydolysis of starch
in potato tubers at various periods of vegetation. Biokhimiya 18,
(MLRA 6:1)

47-50 '53. (CA 47 no.15:7606 '53)

1. Lab. Physiol. Chem., Acad. Sci. U.S.S.R., Moscow.

BOLOTINA, T.T.; PETROVA, A.N.

Phosphoglucomatase of potato tubers. Doklady Akad. Nauk S.S.S.R. 88, 1927-9 '53. (MLRA 6:2) (GA 47 no.21:11359 '53)

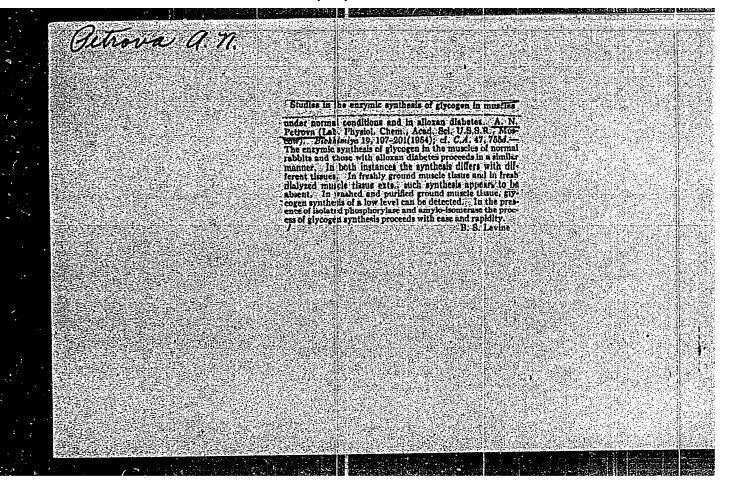


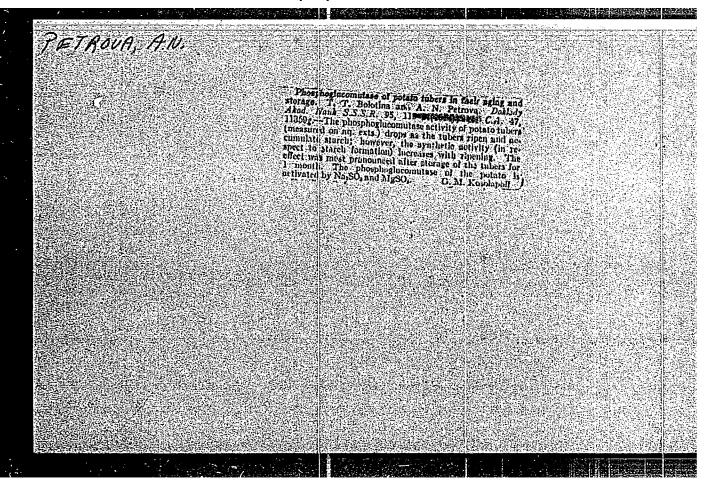
PETROVA, A.N.

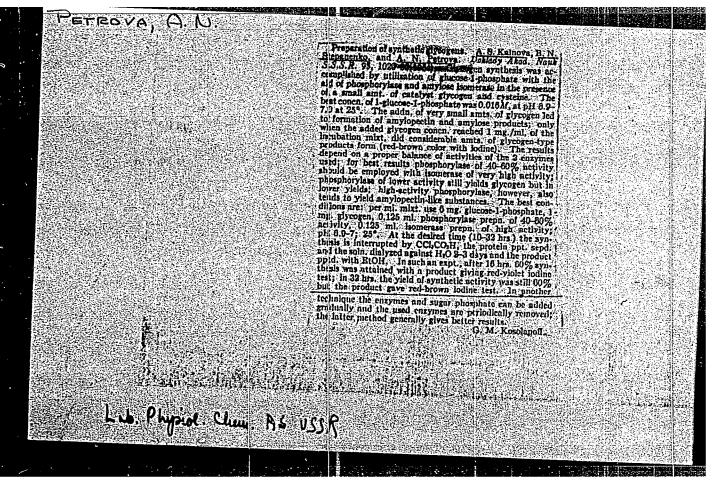


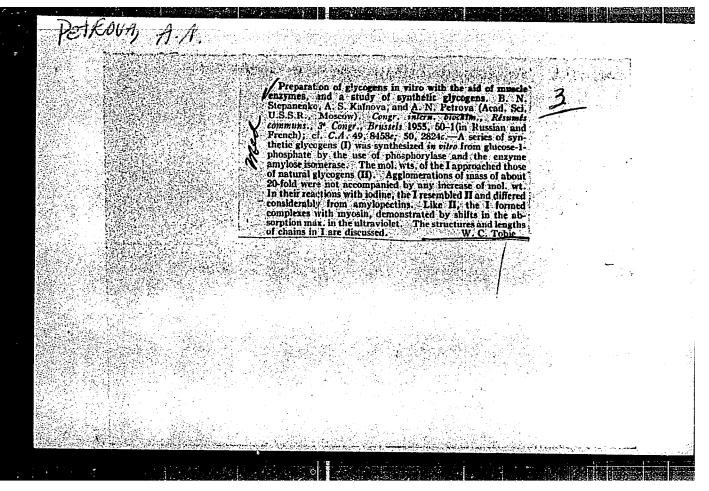
The processes of enzymic synthesis and splitting of starch in potato tubers at different temperatures. A. N. Petroca, T. T. Bolotina, and A. A. Kobzeva (Lab. Physiol. Chem. Acad. Sci. U.S.S.R., Moscow). Biokhimiya 19, 64-7 (1954); cl. C.A. 47, 7006/.—Potato tubers, variety Lorkh, at different temps, have a different content of starch and reducing substances. The starch-splitting properties of tubers kept at higher temps, are not as great as when stored clower temps. The synthetic and phosphoghecomutase acts that do not seem to differ.

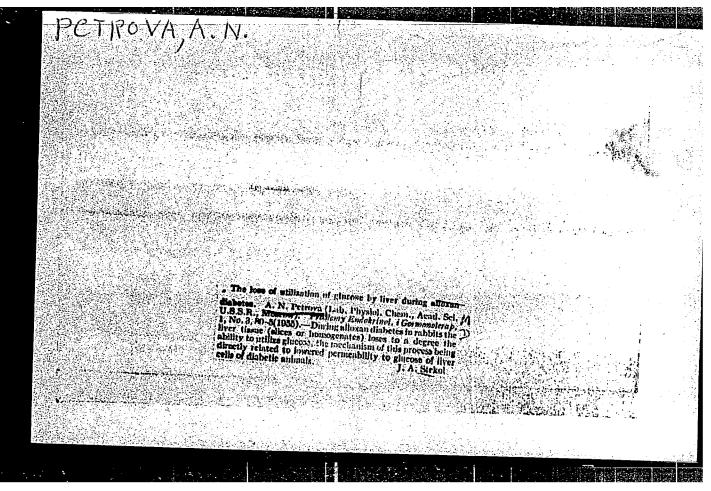
B. S. Levine











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PETROVA, A.N. USSR/Agriculture - Plant Ecology

Pub 42-2/9

FD-2389

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Author

Mishustin, Ye. N., Petrova, A. N., Karashchuk, I. M.

Title

The epiphyte microflora of esparsette seeds and increasing its y_{i+1} .

Periodical:

Izv AN SSSR Ser Piol. 2, 5-10, March-April, 1904

Abstract

In addition to the usual epiphyte microflora such as Bact, hertice, a, Pseudomonas etc , the Alternaria tennis fungus, considered semiparasition by the authors, lowers the rate of germination of esparsette, weak-ns its growth and decreases its yield. The effect of two fungicides, TMTDS and INUIF-2 or granozan, was investigated and granozan found to be more effective against this fungus. However, best results against Alternaria are obtained by a treatment of seeds with the fungicide

graphs; tables Nine references, all USSR (all after 1940).

Institution.

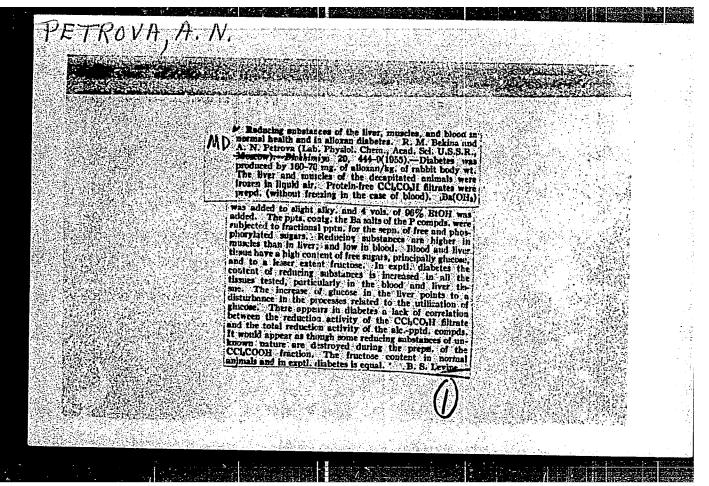
Institute of Microbiology Acad Sci USSR and the Institute of Farmir of the Central Chernozem Belt imeni V V. Dokuchayev.

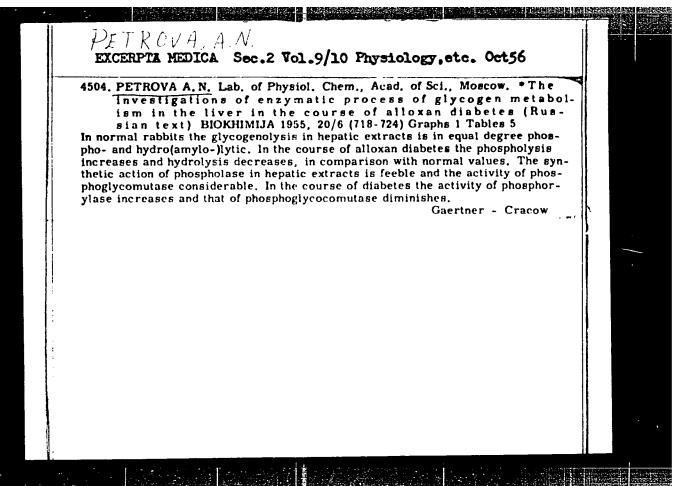
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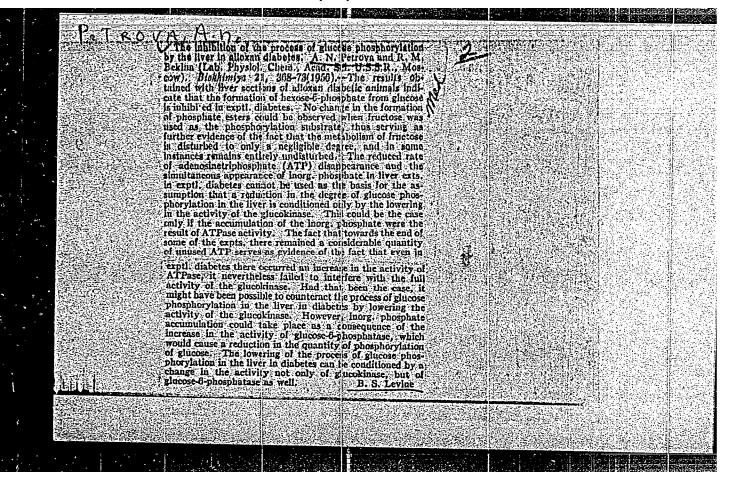
November 20, 1954

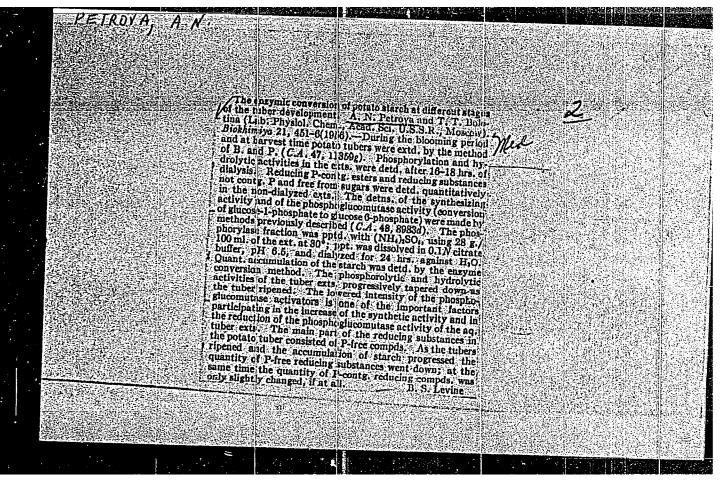
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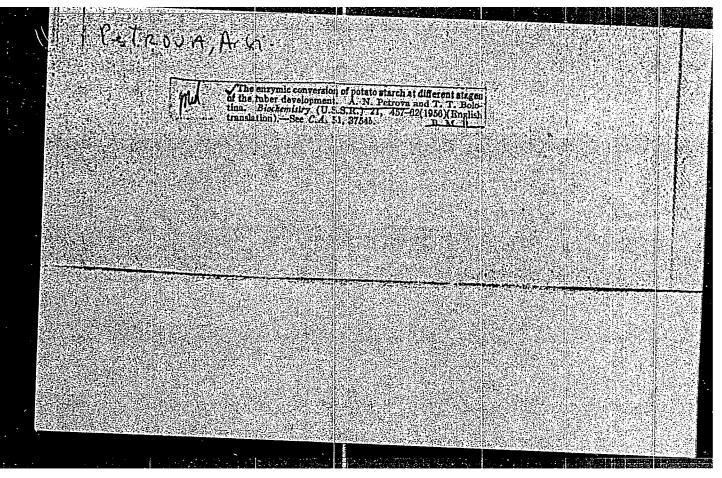
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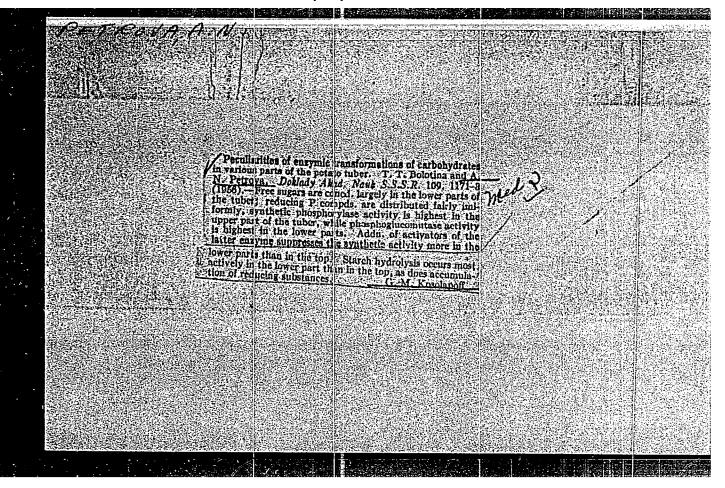
PETROVA, A.H.

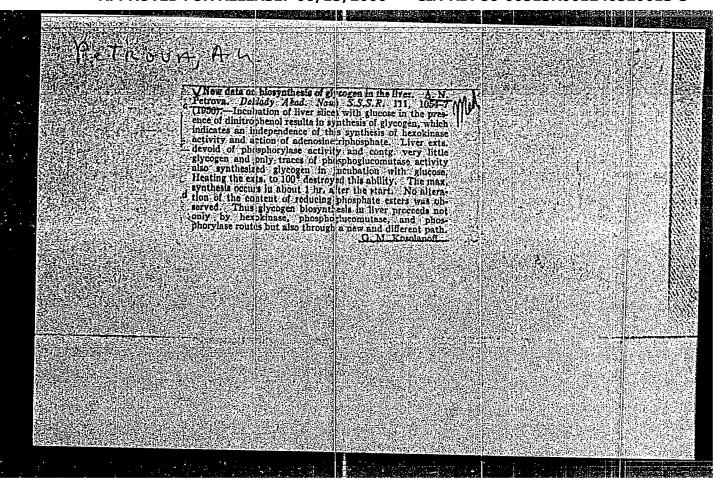
Peculiar features in the conversion of sugars in potato tubers.

Dokl. AN SSSR 109 no.5:1005-1008 Ag. 1956. (MLRA 9:10)

l. Laboratoriya fiziologizheskoy khimii Akademii nauk SSSR. Predstavleno akademikom A.L.Kursanovym.

(POTATORS) (SUGARS)





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Methods of determining glucokinese activity in the liver [vith summary in English]. Biokhimiis 22 no.4:636-643 J1-4g '57.

(MIRA 10:11)

1. Leboratoriye fiziologicheskoy khimii AN SSSR, Monkve.

(LIUER EXTRACTS,

glucokinese, determ. by ATP reaction (Rus))

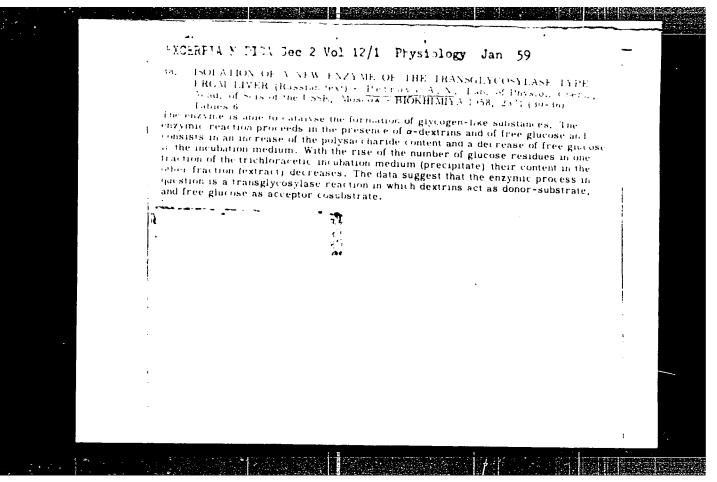
(TRANSPHOSPHORYLIASKS, determination,

glucokinese in liver extracts, determ. by ATP reaction (Rus))

(ADRNITYPROPMOSPHATE,

determ. of glucokinese in liver extract (Rus))
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Conference	ry and Metabolism in Moscow. Januar	of Carbohydra y 28 to Januar	tes in Animal, y 30-1058.	and Plant Organ	nisms.
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11 111 ISAYEVA, A.L.; VOIGAREVA, N.P.; PETROVA, A.N.; TURITOVA, L.V. (Moskva) Protracted septic endarteritis and endocarditis following surgical treatment of tetralogy of Fallot. Klin.med. 36 no.1:121-127 Ja '58. (MIRA 11:3) 1. Iz kliniki detakikh bolezney (dir.-deyatvitel'nyy chlen AMN SSSR prof. Yu.F.Dombrovskaya) i kafedry patologicheskoy anatomii (zav.chlen-korrespondent AMN SSSR prof. A.I. Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova. (TETRALOGY OF FALLOT, surg. postop. septic endarteritis & endocarditis (Rus) (ENDARTERITIS, in inf. & child septic, postop. in tetralogy of Fallot surg. (Rus) (ENDOCARDITIS, BACTERIAL, in inf. & child postop. in tetralogy of Fallot surg. (Rus)

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PETROVA, A.N.

Isolating transglycosidase from the liver and determining its activity.

Biokhimila 24 no.2:228-233 Mr-Ap '59. (MIRA 12:7)

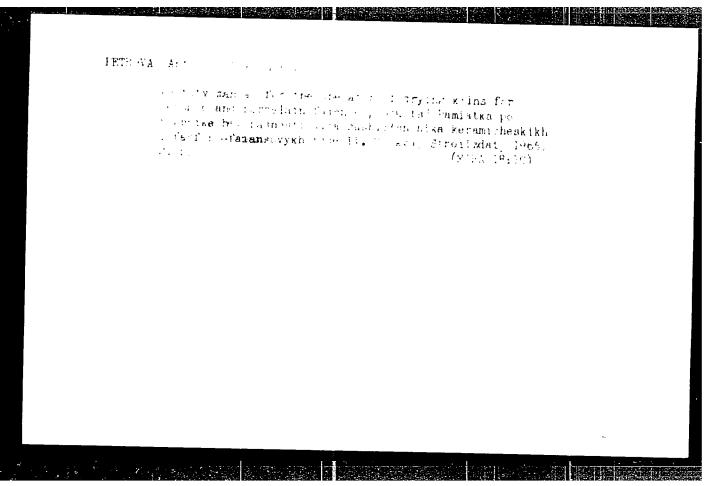
1. Laboratory of Physiological Chemistry, Academy of Sciences of the U.S.S.R., Moncow.

(Liver, metab.

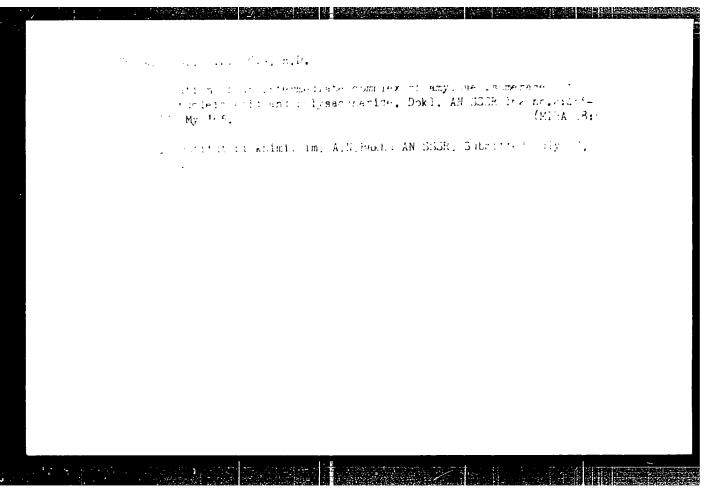
transglucosylase, determ. (Rus))

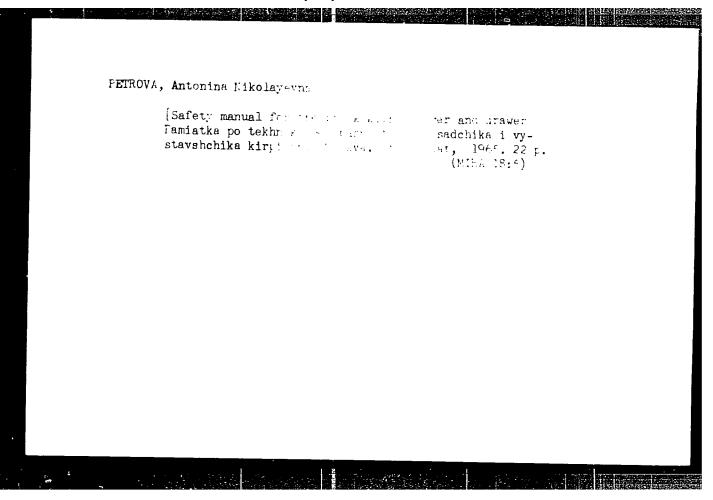
(TRANSFERSES,

transglucosylase in liver, determ. (Rus))
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ACCESSION NR: AR4015704

8/0081/63/000/023/0602/0602

SOURCE: RZh. Khimiya, Abs 23T324

AUTHOR: Avgustov, Yu. A.; Petrova, A.N.

TITLE: Coating of metals with plastics

CITED SOURCE: Tr. Vses. n.-i. i konstrukt. in-t khim. mashinostr., vy*p. 42, 1962, 88-93

TOPIC TAGS: metal coating, corrosion prevention, plastic, plastic coating, vinyl plastic, polyvinylchloride, polymer, polyethylene

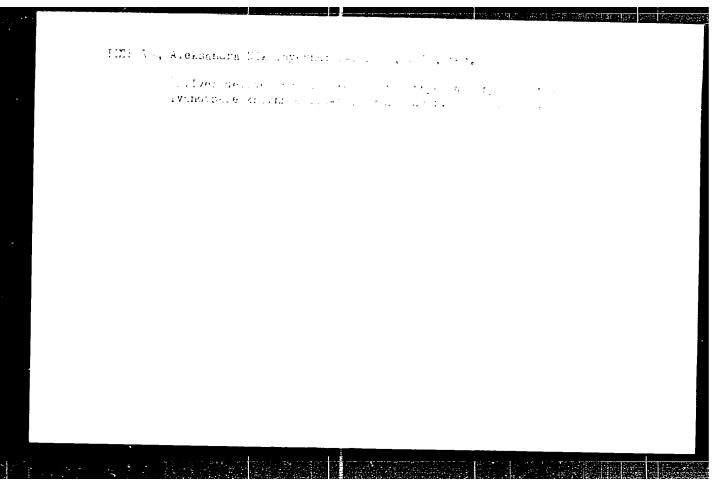
TRANSLATION: To obtain a coating on a thin metal sheet of steel or cast iron, a film of vinyl plastic, a paste of polyvinylchloride and powdered polyethylene are used Before applying the coating, the metal sheet is sandblasted and cleaned with compressed air An improvement in the technique of application of vinyl plastic films having a thickness of 0.4-0.5 and 0.7-0.9 mm has been developed which shortens the length of the process by a factor of 10. A film of adhesive (13-16% solution of vinyl perchloride indichloroethane) is applied twice to the cleaned vinyl plastic surface, dried 3-5 minutes in the air and heated for 2-3 second at 175-180C. Simultaneously, the metal sheet is subjected to an analogous procedure,

ACCESSION NR: AR4015704

but the length of heating is prolonged to 1 5-2 min, and the application of the adhesive is repeated 3 times. The heated value of sites is then applied to the metal sheet situated on a hotplate at 60 70°C, and redfed with a steel roller under a pressure of 1 kg/cm² for 16-15 a hotplate at 60.7 mC, and refled with a steel roller under a pressure of 1 kg/cm² for 10.15 form of "nonshiron so", we 67 km² for place strength machine isomples were in the stabilization of the During apple attor of polygonial about a some pasts.

Substitution of the Substitution of actions to the first term of the state of the first temperature. As well as their terms of an emergency and the best a localities are timed to the first temperature of the to improve the almoston. The techniques of protecting mere a sheete with the first pulse. with the contraction of the cont the and where we man, in the array of the in an exemple, with the art of the application of the most o of physician relepaste to the motal surface at \(\sigma_{00}^{\chi_{00}} \) with the aid of a runt sprayer or tener, followed by heating for 5-10 min at 190-200C and cooling in the followed of the property of the propert a cleaned metal sheet, heated to 300 3500, with polyethylene is accomplished by immersion into a whirling polyethylene powder under low pressure for 25-30 sec. followed by fusion of the applied polyethylene at 200C for 5 min. and cooling at 20C. It was established that the chemically most stable coating is one of vinyl plastic, but that the most technological coating, having the best physico-mechanical properties, is one based on polyvinylchoride DATE ACQ: 09Jan64 Cara 2/2 SUB CODE: MM, MT

ENCL: 00



PISARENKO, N.F.; PETROVA, A.N.

Transferases catalyzing the glycosol group transfer. Jsp.bicl. khim. 5:182-215 63. (MIRA 17:3)

(MIRA 17:3)

MISHUSTIN, Ye.N.; PETROVA, A.N.

Determination of the biological activity of soils. Mirrob. --

1. Institut mikrobiologii AN SSSR.

logiia 32 no.3:179-483 My-Je 43

PETROVA, A.N.

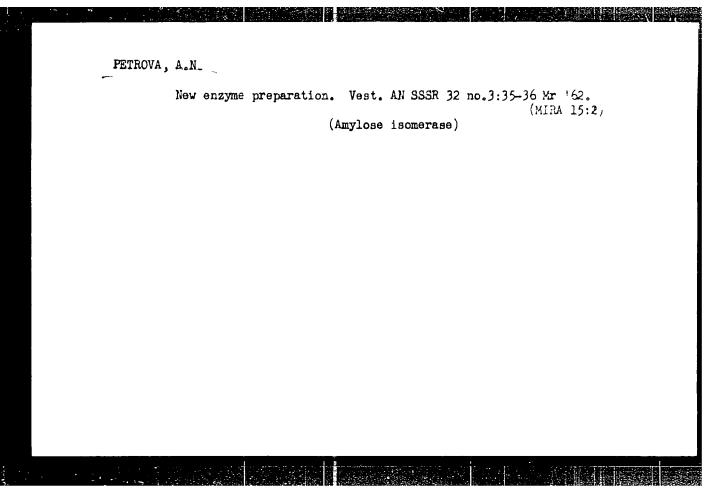
Participation of adenosinetriphosphoric acid in transport reactions of glycosyl groups. Dokl.AN SSSR 148 no.42949-951 F '63. (MIRA 16:4)

1. Institut biokhimii im. A.N.Bakha AN SSSR. Predstavleno akademikom A.I.Oparinym.
(Adenosinetriphosphoric acid) (Dextrin) (Chemical reactions)

PETROVA, A. N. (Moskva); BOLOTINA, T. T. (Moskva)

Enzymatic transformations of starch and the products of its decomposition in potatos tubers. Usp. biol. khim. 4:233-247 (MIRA 15:7)

(STARCH) (POTATOES) (ENZYMES)



INTROVA, A.E.; BOLOTIPA, T.T.; KONZEVA, A.A.

Study of the active forms of amylose isomerase. Eicki.miia 26 no.6:10:1-1007 N-D '61.

1. Institute of Eiochem.stry, Academy of Uciences of the U.S.S.R.

(AMYLOSES)